

IN THE CLAIMS

Please amend the claims to read as follows.

Listing of Claims

1-33. (Cancelled).

34. (Currently Amended) A coding apparatus comprising:
a CRC attachment unit that attaches respective CRC-bits to a plurality of transport blocks;
a concatenating unit that concatenates the transport blocks having the CRC-bits to provide a concatenated transport block;
a code block segmentation unit that segments the concatenated transport block into code blocks; and
an error correcting coding unit that encodes each of the code blocks,

wherein said code block segmentation unit adds at least one predetermined bit to the beginning of one of the code blocks, and wherein so that each of the code blocks has one of the CRC-bits as a last bit thereof.

35. (Currently Amended) A coding apparatus comprising:
a CRC attachment unit that attaches respective CRC-bits to a plurality of transport blocks;
a concatenating unit that concatenates the transport blocks having the CRC-bits to provide a concatenated transport block;

a code block segmentation unit that segments the concatenated transport block into code blocks; and
an error correcting coding unit that encodes each of the code blocks,

wherein when a number of bits of the concatenated transport block is not an integer multiple of a number of the code blocks, said code block segmentation unit adds at least one predetermined bit to the beginning of one of said code blocks, ~~when a number of bits of the concatenated transport block is not an integer multiple of a number of the code blocks, and wherein so that each of the code blocks has one of the CRC-bits as a last bit thereof.~~

36. (Currently Amended) A coding apparatus comprising:
a CRC attachment unit that attaches respective CRC-bits to a plurality of transport blocks;
a concatenating unit that concatenates the transport blocks having the CRC-bits to provide a concatenated transport block;
a code block segmentation unit that segments the concatenated transport block into code blocks; and
an error correcting coding unit that encodes each of the code blocks,
wherein said code block segmentation unit adds at least one predetermined bit to the beginning of one of the code blocks so as

to make the code blocks the same size, and wherein so that each of the code blocks has one of the CRC-bits as a last bit thereof.

37. (Previously Presented) The coding apparatus according to claim 34, wherein said at least one predetermined bit is 0.

38. (Previously Presented) The coding apparatus according to claim 35, wherein said at least one predetermined bit is 0.

39. (Previously Presented) The coding apparatus according to claim 36, wherein said at least one predetermined bit is 0.

40. (Previously Presented) A mobile station apparatus comprising the coding apparatus of claim 34.

41. (Previously Presented) A mobile station apparatus comprising the coding apparatus of claim 35.

42. (Previously Presented) A mobile station apparatus comprising the coding apparatus of claim 36.

43. (Previously Presented) A base station apparatus comprising the coding apparatus of claim 34.

44. (Previously Presented) A base station apparatus comprising the coding apparatus of claim 35.

45. (Previously Presented) A base station apparatus comprising the coding apparatus of claim 36.

46. (Currently Amended) A coding method comprising the steps of:

attaching respective CRC-bits to a plurality of transport blocks;

concatenating the transport blocks having the CRC-bits to provide a concatenated transport block;

segmenting the concatenated transport block into code blocks; and

performing error correcting coding on each of the code blocks, wherein said segmenting step includes adding at least one predetermined bit to the beginning of one of the code blocks, and wherein so that each of the code blocks has one of the CRC-bits as a last bit thereof.

47. (Currently Amended) A coding method comprising the steps of:

attaching respective CRC-bits to a plurality of transport

blocks;

concatenating the transport blocks having the CRC-bits to provide a concatenated transport block;

segmenting the concatenated transport block into code blocks;

and

performing error correcting coding on each of the code blocks, wherein when a number of bits of the concatenated transport block is not an integer multiple of a number of the code blocks, said segmenting step includes adding at least one predetermined bit to the beginning of one of the code blocks, ~~when a number of bits of the concatenated transport block is not an integer multiple of a number of the code blocks, and wherein so that each of the code blocks has one of the CRC-bits as a last bit thereof.~~

48. (Currently Amended) A coding method comprising the steps of:

attaching respective CRC-bits to a plurality of transport blocks;

concatenating the transport blocks having the CRC-bits to provide a concatenated transport block;

segmenting the concatenated transport block into code blocks;

and

performing error correcting coding on each of the code blocks,

wherein said segmenting step includes adding at least one predetermined bit to the beginning of one of the code blocks so as to make the code blocks the same size, and wherein so that each of the code blocks has one of the CRC-bits as a last bit thereof.

49. (Previously Presented) The coding method according to claim 46, wherein said at least one predetermined bit is 0.

50. (Previously Presented) The coding method according to claim 47, wherein said at least one predetermined bit is 0.

51. (Previously Presented) The coding method according to claim 48, wherein said at least one predetermined bit is 0.